



TENDRING
RURAL DISTRICT
COUNCIL.

ANNUAL REPORT

of the

Medical Officer of Health

for 1968

Medical Officer of Health

for 1968

TENDRING RURAL DISTRICT COUNCIL
ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1968

Chairman:

A. F. Chappell, J.P.

Vice-Chairman:

J. Barter.

MEMBERS OF THE PUBLIC HEALTH COMMITTEE

Chairman: Mrs. M. C. Wright.

Vice-Chairman: Mr. C. P. Harvey.

Mr. R. W. Boutflour.

Mr. R. M. Cabot.

Mrs. E. Clayton.

Mr. L. J. Faircloth.

Mr. H. E. French.

Mr. W. J. Garnham.

Mr. J. F. Holmden.

Mr. W. L. King.

Mr. H. Larner.

Mrs. M. M. McPherson.

Brigadier L. Parrington.

Mrs. I. L. Meen.

Mr. H. W. Precious.

Mr. A. R. Smith.

Mr. G. A. Taylor.

.....

R. A. STENHOUSE, L.M.S.S.A.(Lond.), D.P.H., (R.C.P & S.,)
F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of Clacton,
Brightlingsea, Frinton and Walton, the Rural District of
Tendring and Assistant County Medical Officer.

G. W. YEARSLEY, Cert. R.S.H., M.A.P.H.I.
Chief Public Health Inspector.

J. SMITH, Cert R.S.H., M.A.P.H.I., Cert. I. Housing.
Deputy Chief Public Health Inspector.

T. M. WHITE, Cert. R.S.H., M.A.P.H.I.,
Additional Public Health Inspector.

J. McLELLAN, Cert. R.S.A.(Scot.), Cert. R.S.A.(Scot.) Meat
and Foods.
Additional Public Health Inspector.

Miss V. G. HENAGULPH, Clerk to the Medical Officer of Health.

R. G. DEBNAM, Clerk to the Chief Public Health Inspector.

Mrs. A. P. STRUTT,
Shorthand/Typist to the Chief Public Health Inspector.

Telephone No:
Weeley 455.

Council Offices,
Weeley,
Clacton-on-Sea,
Essex.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1968.

The birth rate shows a slight decline this year which reflects the tendency in the National rate. The corrected death rate is somewhat lower at 10.5 whereas the National figure at 11.9 shows a slight increase from last year. The infant mortality rate is also lower, but as previously explained, this figure is liable to fluctuation. Total live births amount to 411, 30 less than last year. Illegitimate births were fewer at 24. There were 3 still births as compared with 10 last year.

Consideration of the causes of death shows that deaths from cancer were considerably lower than last year - about 25% in the case of cancer (all sites) and 50% in the case of lung cancer.

Only 68 cases of infectious diseases were notified this year as compared with 298 in 1967, this being due mainly to the marked decrease in measles. One case of food poisoning was notified.

Attendances for immunisation at the County Clinics were well maintained. 1,362 injections against diphtheria, tetanus and pertussis were given, 298 children were vaccinated against smallpox and 1,261 children received protection against poliomyelitis. Vaccination against measles was received by 549 children.

The water supply remains satisfactory in quality and quantity during the year. Analyses are included elsewhere in the report and a general statement is given on the supply which mentions a total figure of 246.363 million gallons, an increase of nearly 700.000 gallons from last year. (1967)

The fluoride content remains as before at between 0.8 and 1.8 p.p.m.

Progress continues with preparatory stages of the Northern Area Sewage Scheme. An informal inquiry attended by an Inspector of the Ministry of Housing and Local Government was held at the end of the year led to further investigation

into problems connected with trade and other effluents in the locality. Progress was also made with the smaller sewerage schemes to provide main drainage in several other areas in the district.

An important project in connexion with the housing of old people in the district was completed with the opening of Vyntoner House, at St. Osyth, which provides 29 flatlets and accommodation for a Warden. New houses erected by private enterprise amounted to 340 and 62 Council owned dwellings were completed, of which 30 were aged persons flatlets. Under construction are 42 Council owned dwellings and 403 by private enterprise.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the Staff of the Public Health Department for their work.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

R. A. STENHOUSE,

Medical Officer of Health.

STATISTICAL SUMMARY

Area in acres	...	65,884
Population:		
1968 Registrar General's Estimate		27,570
1961 Census	...	24,733
Density of population per acre	...	0.40
Rateable value	...	£825,892
Sum represented by penny rate (1968-69)		£3,373.17s.11d.
Number of inhabited dwellings (approx.)		10,750
Census	...	8,335
Total live births	...	411
Live birth rate (per 1,000 home population) crude		14.9
Live birth rate (corrected)	...	17.2
Birth rate (England and Wales)	...	16.9
Total still births	...	3
Total live and still births	...	414
Still birth rate (per 1,000 total births)		7.0
Still birth rate (England and Wales)		14.0
Total deaths	...	384
Death rate (per 1,000 home population)		13.9
Death rate (corrected)	...	10.5
Death rate (England and Wales)	...	11.9
Death of infants under one year of age		5
Infant mortality rate (per 1,000 live births)		12.0
Infant mortality rate (England and Wales)		18.0
Infant mortality rate - legitimate	...	9.7
Infant mortality rate - illegitimate		24.0
Neo-natal mortality rate (Deaths under 4 weeks of age per 1,000 live births)		9.7
Early neo-natal mortality rate (Deaths under 1 week of age per 1,000 live births)		7.2
Peri-natal mortality rate (Deaths and stillbirths under 1 week of age per 1,000 total births)		14.0
Number of illegitimate births	...	24
Deaths from diarrhoea (under 2 years of age)		-
Maternal deaths (included abortion)	...	-
Cancer	...	61
Total deaths due to cancer of lung	...	12
Tuberculosis deaths	...	1

The principal causes of, and various ages at, death are given in the following tables:-

CAUSES OF DEATH DURING 1968

<u>Cause of Death</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Tuberculosis, other	1	--	1
Other Infective and Parasitic Diseases	1	--	1
Cancer (all sites)	29	30	59
Leukaemia	1	1	2
Diabetes Mellitus	2	1	3
Anaemias	--	2	2
Other Diseases of Blood, etc.	--	2	2
Other Diseases of Nervous System	2	3	5
Chronic Rheumatic Heart Disease	2	3	5
Hypertensive Disease	2	3	5
Ischaemic Heart Disease	55	26	81
Other Forms of Heart Disease	25	16	41
Cerebrovascular Disease	37	51	88
Other Diseases of Circulatory System	8	2	10
Influenza	3	1	4
Pneumonia	7	6	13
Bronchitis and Emphysema	8	3	11
Asthma	--	1	1
Other Diseases of Respiratory System	2	4	6
Peptic Ulcer	4	4	8
Other Diseases of Digestive System	1	3	4
Nephritis and Nephrosis	1	2	3
Other Diseases, Genito-urinary System	1	1	2
Other Complications of Pregnancy	--	1	1
Diseases of Musculo-skeletal System	--	1	1
Congenital Anomalies	1	1	2
Birth Injury, Difficult Labour, etc.	3	--	3
Symptoms and Ill-defined Conditions	--	5	5
Motor Vehicle Accidents	2	2	4
All Other Accidents	4	4	8
Suicide and Self-inflicted Injuries	1	2	3
	<u>203</u>	<u>181</u>	<u>384</u>

DEATHS AT VARIOUS AGES DURING 1968

Under 4 weeks	4
4 weeks and under 1 year	1
1 - 4 years	2
5 - 14 years	1
15 - 24 years	2
25 - 34 years	3
35 - 44 years	6
45 - 54 years	11
55 - 64 years	45
65 - 74 years	106
75 and over	203
	<hr/>
	384
	<hr/>

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1968:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Erysipelas	2	-	2	2	-
Infective Hepatitis	2	-	2	2	-
Measles	43	-	43	43	-
Pneumonia	3	-	3	3	-
Scarlet Fever	10	-	10	10	-
Sonnei Dysentery	1	-	1	1	-
Whooping Cough	7	-	7	7	-
Food Poisoning	1	-	1	1	-
Totals:	69	-	69	69	-

TUBERCULOSIS 1968

Age Groups of the three cases notified and one death during the year are given in the table below:-

Age Groups in Years	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
5 - 15	1	-	-	-	-	-	-	-
55 - 65	1	-	-	-	-	-	-	-
75 - 85	1	-	-	-	-	-	1	-
Totals:	3	-	-	-	-	-	1	-

Notifications and Deaths from Tuberculosis since 1961

<u>Year</u>	<u>New Cases</u>	<u>Deaths</u>
1961	4	2
1962	8	-
1963	7	1
1964	4	-
1965	8	-
1966	1	1
1967	4	1
1968	3	1

The following figures give the number of cases on the register at the end of 1968:-

Respiratory Male	47	Non-Respiratory Male	5
Respiratory Female	29	Non-Respiratory Female	5
	<u>76</u>		<u>10</u>

Total: 86.

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's Supply has been given by Mr. W. A. Burrows, M.I.Mech.E., M.I.W.E., the Chief Engineer to the Company:-

"Practically the whole of the water supplied to the district was obtained from our Dedham Pumping Station, with some assistance from the Company's subsidiary sources at Lawford, Great Bentley, Stratford St. Mary and Higham.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the 12 months ended 31st December, 1968, amounted to 246.363 million gallons: an average daily consumption of 0.673 million gallons.

The total quantity taken for domestic purposes during the year was 138.546 million gallons; an average daily consumption of 0.379 million gallons. The total amount taken through trade meters was 107.817 million gallons; an average daily consumption of 0.294 million gallons.

The total number of connections (domestic and trade) made in the year in the Rural District, amounted to 445.

Approximately 9095 yards of new main were laid in the Tendring Rural District during the year.

The supply of water to the district has been satisfactorily maintained both in quality and in quantity.

Samples of raw water are taken monthly; these are generally for chemical analysis only.

The monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the analysis.

In addition to the above, samples are also taken bimonthly of all water stored in the Company's reservoirs, tanks and water towers. These samples are submitted for bacteriological examination only.

There is no evidence of plumbo-solvent action.

At the pumping stations where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every 8 hours) a residual of 0.2 p.p.m. of chlorine is maintained. If the chlorine residual falls below this figure the water is re-tested and if still low the chlorine dose is raised to give the required residual. This happens very rarely.

If samples taken from storage show high bacterial counts, then a repeat sample is taken and submitted to Dr. G. U. Houghton at the South Essex Waterworks Company's laboratory at Langham for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine. This is done by injecting chlorine at the booster pump delivery and circulating the water through the reservoir on a closed circuit. The reservoir is then allowed to stand until the chlorine residual has returned to normal and is only brought into service again after another sample has been submitted for bacteriological examination and has been proved satisfactory.

The population supplied is approximately 27,000 and there are 705 standpipes."

PUBLIC WATER MAINS

Dwelling houses connected to public water mains		
Parish	Number of houses	Population 1961 Census
Alresford	559	926
Ardleigh	386	1,860
Beaumont	93	352
Great Bentley	554	1,155
Little Bentley	63	260
Bradfield	289	811
Great Bromley	206	780
Little Bromley	29	256
Little Clacton	822	1,647
Elmstead	293	854
Frating	57	323
Lawford	789	1,974
Manningtree	196	524
Mistley	686	2,115
Great Oakley	250	680
Little Oakley	335	978
Ramsey	717	2,276
St. Osyth	1,269	1,857
Tendring	146	815
Thorpe-le-Soken	563	1,606
Thorrington	225	689
Weeley	470	951
Wix	190	665
Wrabness	119	379
	<u>9,306</u>	<u>24,690</u>

TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS -- WATER ANALYSES

Chemical Results in Parts per Million

	<u>Maximum</u>	<u>Minimum</u>
Colour	8	Nil
pH.	7.8	7.5
Electric Conductivity	980	870
Chlorine present as Chloride	140	126
Hardness. Total	300	280
Carbonate	270	250
Non-Carbonate	40	15
Nitrate Nitrogen	0.5	0.0
Ammoniacal Nitrogen	0.80	0.30
Albuminoid Nitrogen	0.02	0.00
Metals (Iron)	0.20	0.10
Turbidity	Less than 3	Nil
Odour	very faint chlorinous	Nil
Free Carbon Dioxide	18	10
Total Solids	660	540
Alkalinity as Calcium Carbonate	270	250
Nitrite Nitrogen	Less than 0.01	absent
Oxygen absorbed	0.30	0.00
Residual Chlorine	0.30	0.10

BACTERIOLOGICAL RESULTS

	<u>1 day</u> <u>at 37° C.</u>	<u>2 days</u> <u>at 37° C.</u>	<u>3 days</u> <u>at 20° C.</u>
Number of Colonies developing on Agar			
Minimum	0 per ml.	1 per ml.	1 per ml.
Maximum	0 per ml.	0 per ml.	0 per ml.
	<u>Present</u> <u>in</u>	<u>Absent</u> <u>from</u>	<u>Probable</u> <u>Number</u>
Presumptive Coliaerogenes Reaction	- ml.	100 ml.	0 per ml.
Bact. coli (Type 1)	- ml.	100 ml.	0 per ml.
Cl. welchii Reaction	- ml.	100 ml.	

REMARKS

These samples are practically clear and bright in appearance and have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It confirms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories.

HOUSING

New houses erected:-

	Completed	Under Construction
By Private Enterprise	340	403
By the Council	62	42
(of which 30 were Aged Person's Flatlets)		

IMPROVEMENT GRANTS

Financial grants were made available to owners for carrying out approved improvement/conversion work to older type houses, including -

Discretionary Grants	10
Standard Grants	44

SEWERAGE

Northern Area Sewerage Scheme

Discussions are still taking place with the Ministry and it is hoped that early approval will be given.

Great Bromley/Frating Sewerage Scheme

Approval has been received to this scheme and tender documents are now being prepared.

Weeley Village (North) Sewerage Scheme

This scheme is now virtually complete and therefore the whole of the village area is now sewered.

Western Area Sewerage Scheme

In view of the overloading of the Tenpenny Brook s Sewage Disposal Works, a Paxman's Sludge Concentrator was installed for an experimental period. This was found to be satisfactory and it is hoped that an early approval to purchase this equipment will be received from the Ministry.

SANITARY INSPECTION

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served:-

	Total Inspections	Notices Served	
		Informal	Formal
Houses unfit	48	12	17
Houses unfit revisits	129		
Houses with defects	81	19	
Houses with defects revisits	63		
Houses drainage	270	7	
Houses sanitary			
accommodation	18	2	
Houses overcrowding	2	1	
Houses verminous or dirty	1		
Improvement grants	372	65	
Water supplies	113	16	
Water samples collected	60		
Schools	2		
Food premises and vehicles	84	2	
Bakehouses	2		
Factories	50	6	
Shops	19	1	
Camping grounds and			
caravans	102	28	
Beach huts and shacks	5		
Infectious disease enquiries	12	1	
Food Poisoning enquiries	4		
Refuse tips and deposits	327	4	
Rats and mice infestations	7		
Polluted rivers and ditches	108	40	
Sewage works	9		
Piggeries	13	1	
Slaughterhouses	589	6	
Nuisances from animals	1	1	
Contractors or owners			
interviewed	234		
Animal boarding			
establishments	20		
Flooding	33	3	
Club premises	2	1	
Offices, Shops and Railway			
Premises Act	68	7	
Noise control	35	4	

	Total Inspections	Notices Served	
		Informal	Formal
Food stalls	1	2	
Swill boiling plants	2	1	
Public houses	9	3	
Swimming pools	1	1	
Milk samples	8		
Weeds	1	1	
Abandoned vehicles	3	4	
Land charge searches	26		
Sewers (blocked)	6	1	
Refuse collection survey	43		
Poultry dressing establishments	1		
Smoke nuisances	2		
Miscellaneous	289	1	
	<hr/>	<hr/>	<hr/>
	3,275	241	17
	<hr/>	<hr/>	<hr/>

FOOD PREMISES

The following table sets out the number of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them and includes the following approximate information for each category separately:-

Type of premises	No. of premises	Number of premises fitted to comply with Reg. 16.	Number of premises to which Reg. 19 applies	Number of premises fitted to comply with Reg. 19.
Cafes and Restaurants	17	17	17	17
General Provisions Shops	102	102	40	40
Bakery Shops	10	10	5	5
Butchers Shops	20	20	20	20
School Kitchens	25	25	25	25
Wholesale Grocers	1	1	1	1
Public Houses	55	55	55	55
Ice Cream Kiosks	2	2	-	-

FACTORIES

FACTORIES ACT, 1961

PART I OF THE ACT

1. Inspections for purposes of provisions as to health.

Premises (1)	Number on Register (2)	Number of Inspections (3)	Written Notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	5	4	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	85	48	6	-
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	-	-	-	-
Totals:	90	52	6	-

2. Cases in which defects were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	To H.M. Inspector (4)	By H.M. Inspector (5)	
Want of Cleanliness (S.1.)	-	-	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.4.)	-	-	-	-	-
Inadequate ventilation (S.4.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Conveniences (S.7.)					
(a) Insufficient	6	6	-	-	-
(b) Unsuitable or defective	-	-	-	-	-
(c) not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Totals:	6	6	-	-	-

PART VIII OF THE ACT

SECTIONS 133 and 134

Section 133				Section 134
Nature of work (1)	Number of Outworkers in August list re- quired by Section 110 (1) (c) (2)	Number of cases of default in sending lists to the Council (3)	Number of prosecu- tions for failure to supply lists (4)	Number of instances of work in unwholesome premises (5)
Wearing Apparel Making etc.	6	-	-	-

The premises were inspected and found to be in a satisfactory condition.

